

## What Are the Benefits of Career Pathways?

**Students** use Pathways to investigate a wide range of career choices. Pathways make it easier for students to understand the relevance of required courses and select elective courses more wisely.

**Parents** learn what academic and technical courses their children need for college and a variety of career fields. Pathways and the high standards that go with them reassure parents that their children will be fully prepared for college and the workplace.

**School counselors** use Career Pathways to help students explore options for the future. Current information on the academic, technical, and college requirements for a wide range of careers will be readily available.

**Teachers** use Pathways to promote programs, increase student participation, and encourage students to persist in training beyond high school.

**Schools** use Pathways to organize to meet the demands of post-secondary education and the expectations of employers.

**Employers** partner with schools to contribute to the development of high academic standards that help students prepare for work and help workers keep their skills up to date. Employers gain workers who are prepared to learn new skills, adjust to technological change, and advance their careers.

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# High School to College and Career Pathways



## What Are Career Pathways?

The High School to College and Career Pathways initiative helps match education and workplace needs through partnerships with post-secondary institutions, the school districts, business, and industry. Pathways identify and group courses within Career and Technical Education (CTE) areas of study that offer students depth of knowledge and skill, linked with specific post-secondary programs culminating in degrees or certificates.

Ninety percent of the **fastest-growing jobs require post-secondary training.**

*Margaret Spellings, U.S. Secretary of Education  
Speech to the National Press Club, 9/22/06*

## The goals are to:

- **Maximize opportunities** for students.
- **Increase student awareness** of careers and education and training.
- **Strengthen** the planning process using a Student Education Occupation Plan (SEOP).
- **Ease student transitions** between secondary and post-secondary education through:
  - Concurrent enrollment.
  - Articulation agreements.
  - Skill assessment recognition.
  - Comprehensive Guidance.
  - Regional and state planning.
- **Align training** with employer needs.
- **Provide** strong academic skills and real-world problem solving skills.

## For more information:

- Contact your school counselor.
- Visit [careers.utah.gov](http://careers.utah.gov) and [utahcte.org](http://utahcte.org).

## The anticipated outcomes include:

- Increased academic and skill achievement at secondary and post-secondary levels.
- Decreased need for remediation at the post-secondary level.
- Increased enrollment and persistence in post-secondary education.
- Increased attainment of post-secondary degrees, certificates, or other recognized credentials.
- Increased rate of entry into employment or further education.
- Savings of time and money for students.

## In Utah, there are 62 Career Pathways within eight Areas of Study.

A sampling of these 62 Pathways are listed below:

### Agriculture

- Horticulture Science & Management
- Production/Processing Animal Science

### Business

- Accounting & Finance
- Business Management

### Family & Consumer Sciences

- Child Development
- Food Service & Culinary Arts

### Health Science & Technology

- Biotechnology
- Nurse Assistant

### Information Technology

- Web Development & Administration
- Programming/Software Development

### Marketing

- Marketing Management
- Sales & Service Marketing

### Technology & Engineering

- Pre-Engineering

### Trade & Technical

- Automotive Service Technician
- Automotive Collision Repair
- Drafting/CAD
- Electronics

**Be sure to check out all 62 Pathways and how they connect to college and careers!**

## High School to College and Career Pathway Map – Drafting/CAD Sample

Grade Level	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Post-Secondary	Career Opportunities
Language Arts	Lang. Arts 9 1.00	Lang. Arts 10 1.00	Lang. Arts 11 1.00	<b>Lang. Arts 12 Concurrent*</b>	<b>1 year certificate</b> in Architectural Drafting – Utah College of Applied Technology  <b>Associate's Degree</b> in Surveying & Drafting  <b>Bachelor's Degree</b> in Architecture  <b>Master's Degree</b> in Civil Engineering  As technology advances, opportunities will be best for drafters with at least 2 years of post-secondary training, and computer-aided design systems experience.	<b>&gt; Architectural Drafter</b> <b>&gt; Civil Engineer</b> <b>&gt; Interior Designer</b> <b>&gt; Surveyor</b>
Math	Geometry 1.00	Inter. Algebra 1.00	<b>Math 1010 Concurrent</b>			
Science	Earth Systems 1.00	Physics 1.00	<b>Biology 1010 Concurrent</b>			
Social Studies	World Civilization .50	Geography .50	<b>U.S. History 2700 Concurrent*</b>	U.S. Citizenship and Government .50		
Arts	Fine Arts Courses 1.50					
Financial Literacy			Financial Literacy .50			
Health/PE	Participation Skills and Fitness 1.00	Health Education .50 Lifetime Activities or Sport .50				
Career and Technical Education	Computer Technology	Drafting/CAD	Architectural Drafting	Mechanical Drafting		
Career and Technical Education		Drafting & Design Tech.				
	*20-40 concurrent credits may be earned in high school for transfer to the college program. <b>saving the student time and money.</b>					